

Remarks:

In response to the Notice of Abandonment dated June 25, 2004, Applicant is submitting an Appendix containing a copy of the Response to Notice to Filing Missing Parts of Application, timely mailed on September 12, 2002, with a five month extension. Please note that an accompanying post card was stamped by the Office on September 18, 2002, recognizing the receipt of a Combined Declaration and Power of Attorney comprised of 20 pages (See Appendix at blue tab). Further, the signed Declaration by Jong Hyun Yoo on August 23, 2002, was submitted in this Response (See Appendix at red tab). Therefore, Applicant has previously submitted all required parts to make the application complete.

Applicant requests removal of the Abandonment status and also requests continued examination.

Respectfully submitted,



Keith M. Tackett
Registration No. 32,008
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant



APPENDIX



Box "MISSING PARTS"
COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Title: PULSE NUCLEATION FOR WCVD PROCESS

Inventor: Jong Hyun YOO et al

Serial No.: 10/023,125 Filed: 12/17/2001

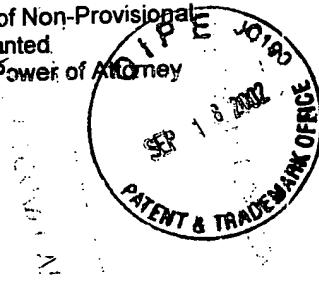
Confirmation No.: 4585 Group Art Unit: 1765

Atty Dkt No.: 5730 USA/TCG/WCVD/BG

ENCLOSED:

- Notice to File Missing Parts of Non-Provisional Application – Filing Date Granted.
- Combined Declaration and Power of Attorney
- (26 pages)
Return Receipt Post Card

Mailed: 9/12, 2002



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jong Hyun YOO et al

COMPUTER ENTERPRISE

Assignee: APPLIED MATERIALS, INC.

Title: PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED
STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS

Serial No.: 10/023,125

Filed: 12/17/2001

Group Art Unit: 1765

Confirmation Number: 4585

Attorney Docket No.: 5730 USA/TCG/WCVD/BG

Santa Clara, California

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RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION -
FILING DATE GRANTED

Sir:

In response to the Notice to File Missing Parts of Application - Filing Date Granted mailed by the United States Patent and Trademark Office on **February 21, 2002** the following documents are enclosed to complete the filing of the above-identified patent application:

1. A combined declaration and power of attorney signed by the inventors in compliance with 37 CFR 1.63 (20 pages);
2. A copy of the Notice to File Missing Parts of Application - Filing Date Granted.

The United States Patent and Trademark Office is hereby authorized to charge the following fees to Deposit Account **50-1074**:

1. Filing Fee - Original Patent Application (37 CFR 1.16(a)) \$**.00

2. Fees for claims

<input type="checkbox"/>	Each independent claim in excess of 3 (37 CFR 1.16(f))	\$**.00
<input type="checkbox"/>	Each claim in excess of 20 (37 CFR 1.16(c))	\$**.00
<input type="checkbox"/>	Each multiple dependent claim (37 CFR 1.16(d))	\$**.00
<input type="checkbox"/>	Late Payment of filing fee - (37 CFR 1.16(e))	\$**.00

Total Completion Fees \$**.00

3. Applicant petitions for an extension of time, the fees for which are set out in 37 CFR 1.17(a)-(d), for the total number of months checked below:

Extension (Months)	Fee for other than Small Entity
--------------------	---------------------------------

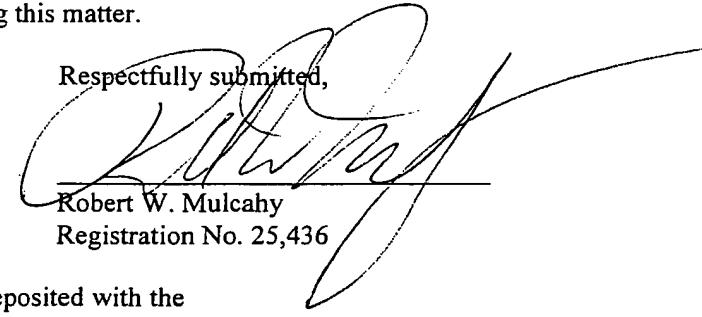
<input type="checkbox"/>	One Month	\$110.00
<input type="checkbox"/>	Two Months	\$400.00
<input type="checkbox"/>	Three Months	\$920.00
<input type="checkbox"/>	Four Months	\$1,440.00
<input checked="" type="checkbox"/>	Five Months	\$1,960.00

If an additional extension of time is required, please consider this a petition therefor.

4. Late filing of original declaration or oath (37 CFR 1.16(e))	\$130.00
5. Total fees due from items 1-4:	\$2,090.00
6. The Commissioner is hereby authorized to charge total fees due and any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-1074 .	

It is hereby respectfully submitted that the enclosed documents complete the filing of the above-named patent application and justify the filing date of **December 17, 2001**. Please telephone the undersigned at (408) 563-2726, if there are any questions regarding this matter.

Respectfully submitted,


Robert W. Mulcahy
Registration No. 25,436

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Box MISSING PARTS
Commissioner for Patents
Washington, D.C. 20231

on 9/12/02

Sheri Griffin



Box "MISSING PARTS"
COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Title: PULSE NUCLEATION FOR WCVD PROCESS

Inventor: Jong Hyun YOO et al

Serial No.: 10/023,125 Filed: 12/17/2001

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UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov



APPLICATION NUMBER	FILING RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/023,125	12/17/2001	Jong Hyun Yoo	5730/AMI-01-25

Patent Counsel, Applied Materials, Inc.
 Legal Affairs Dept.
 P.O. Box 450A
 Santa Clara, CA 95052

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CONFIRMATION NO. 4585

FORMALITIES LETTER



OC00000007512843

Date Mailed: 02/21/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:
Jong Hyun Yoo, Chiliang Chen
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

A copy of this notice MUST be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- original
- divisional
- continuation
- continuation-in-part

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INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCOVD PROCESS

SPECIFICATION IDENTIFICATION

The specification of which:

- is attached hereto
- was filed on December 17, 2001, under Serial No. 10/023,125, executed on even date herewith; or
- Express Mail No. @ (as Serial No. not yet known)
and was amended on _____ (if applicable)
- was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

No such applications have been filed.

Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			[] Yes [] No
			[] Yes [] No
			[] Yes [] No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No.:

Filing date:

C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No: 60/305,307

Filing date: July 13, 2001

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

No such applications have been filed

Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
		Patented Pending
		Abandoned



Atty. Dkt. No. 5730 USA/TCG/WCVD

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa
 Donald Verplancken
 Lawrence Edelman
 Michael B. Einschlag
 Raymond Kam-On Kwong
 James C. Wilson
 Joseph Bach
 Robert W. Mulcahy
 Walter Benjamin Glenn
 B. Todd Patterson
 William B. Patterson
 Raymond R. Moser, Jr.
 Keith M. Tackett
 Joseph Pagnotta

Registration No. 25,610
 Registration No. 33,217
 Registration No. 25,226
 Registration No. 29,301
 Registration No. 37,165
 Registration No. 35,412
 Registration No. 37,771
 Registration No. 25,436
 Registration No. 44,713
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Send correspondence to:

Patent Counsel, MS/2061
 Legal Affairs Dept.
 Applied Materials, Inc.
 P. O. Box 450A
 Santa Clara, CA 95052.

Direct telephone calls to:

Todd Patterson
 MOSER PATTERSON & SHERIDAN, LLP
 (713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of first inventor: Jong Hyun Yoo

Inventor's signature: *Jong Hyun Yoo*
 Residence: Milpitas, California
 Post Office Address: 190 Rainbow Place
 Milpitas, California 95035
 U.S.A.

Date: 08-23-2002

Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Inventor's signature: _____
 Residence: Sunnyvale, California
 Post Office Address: 685 Garland Avenue #54
 Sunnyvale, California 94086
 U.S.A.

Date: _____

Country of Citizenship: People's Republic of China

Atty. Dkt. No. 5730 USA/TCG/WCVD

Full name of third inventor: Chiljang Chen

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California

Post Office Address: 1712 Calary Drive
Sunnyvale, California 94538
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor: Kevin Kaung Lai

Inventor's signature: _____ Date: _____

Residence: Milpitas, California
Post Office Address: 1354 Terra Alta Drive
Milpitas, California 95035
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California
Post Office Address: 725 Startush Drive
Sunnyvale, California 94086
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

(Declaration ends with this page)



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- original
- divisional
- continuation
- continuation-in-part

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- is attached hereto
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- was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____

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No such applications have been filed.

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<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

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Country:
Application No:
Filing date:

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<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented Pending</u>	<u>Status</u>
			Abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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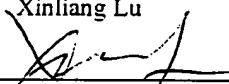
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 Milpitas, California 95035
 U.S.A. Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Inventor's signature:  Date: 4-25-2002
 Residence: Sunnyvale, California
 Post Office Address: 685 Garland Avenue #54
 Sunnyvale, California 94086
 U.S.A. Country of Citizenship: People's Republic of China

Full name of **third** inventor: Chiliang Chen

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California
Post Office Address: 1712 Calary Drive
Sunnyvale, California 94538
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of **fourth** inventor: Kevin Kaung Lai

Inventor's signature: _____ Date: _____

Residence: Milpitas, California
Post Office Address: 1354 Terra Alta Drive
Milpitas, California 95035
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of **fifth** inventor: Chien-Teh Kao

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California
Post Office Address: 725 Starbush Drive
Sunnyvale, California 94086
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

(Declaration ends with this page)



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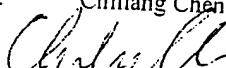
Inventor's signature: _____ Date: _____
Residence: Milpitas, California
Post Office Address: 190 Rainbow Place
Milpitas, California 95035
U.S.A. Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Full name of third inventor:

Chiliang Chen

Inventor's signature:



Date:

4/23/02

Residence:

Sunnyvale, California

Post Office Address:

1712 Calary Drive

Sunnyvale, California 94538

U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor:

Kevin Kaung Lai

Inventor's signature:

Residence:

Milpitas, California

Post Office Address:

1354 Terra Alta Drive

Milpitas, California 95035

U.S.A.

Date:

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor:

Chien-Teh Kao

Inventor's signature:

Residence:

Sunnyvale, California

Post Office Address:

725 Starbush Drive

Sunnyvale, California 94086

U.S.A.

Date:

Country of Citizenship: Republic of China (Taiwan)

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No such applications have been filed.

Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No: 60/305,307

Filing date: July 13, 2001

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

No such applications have been filed

Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented Pending</u>	<u>Status</u>
			<u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Joseph Bach	Registration No. 37,771
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
B. Todd Patterson	Registration No. 37,906
William B. Patterson	Registration No. 34,102
Raymond R. Moser, Jr.	Registration No. 36,682
Keith M. Tackett	Registration No. 32,008
Joseph Pagnotta	Registration No. 39,322

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061
Legal Affairs Dept.
Applied Materials, Inc.
P. O. Box 450A
Santa Clara, CA 95052.

Todd Patterson
MOSER PATTERSON & SHERIDAN, LLP
(713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of first inventor: Jong Hyun Yoo

Inventor's signature: _____ Date: _____
Residence: Milpitas, California
Post Office Address: 190 Rainbow Place
Milpitas, California 95035
U.S.A. Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Full name of third inventor: Chiliang Chen

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California

Post Office Address: 1712 Calary Drive

Sunnyvale, California 94538

U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor: *Ken* Kevin Kaung Lai

Inventor's signature: *Ken Lai* Date: 4/22/2002

Residence: Milpitas, California

Post Office Address: 1354 Terra Alta Drive

Milpitas, California 95035

U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California

Post Office Address: 725 Starbush Drive

Sunnyvale, California 94086

U.S.A.

Country of Citizenship: Republic of China (Taiwan)

(Declaration ends with this page)



COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- original
- divisional
- continuation
- continuation-in-part

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INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS

SPECIFICATION IDENTIFICATION

The specification of which:

- is attached hereto
- was filed on December 17, 2001, under Serial No. 10/023,125, executed on even date herewith; or
- Express Mail No. @ (as Serial No. not yet known)
and was amended on _____ (if applicable)
- was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

No such applications have been filed.

Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No: 60/305,307
Filing date: July 13, 2001

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No such applications have been filed
 Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented Pending</u>	<u>Status</u>
			<u>Abandoned</u>

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Raymond R. Moser, Jr.	Registration No. 36,682
Keith M. Tackett	Registration No. 32,008
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DECLARATION

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Inventor's signature: _____ Date: _____
Residence: Milpitas, California
Post Office Address: 190 Rainbow Place
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U.S.A. Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Full name of third inventor: Chiliang Chen

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California
Post Office Address: 1712 Calary Drive
Sunnyvale, California 94538
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

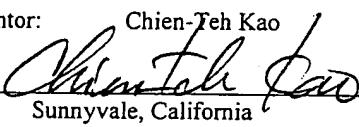
Full name of fourth inventor: Kevin Kaung Lai

Inventor's signature: _____ Date: _____

Residence: Milpitas, California
Post Office Address: 1354 Terra Alta Drive
Milpitas, California 95035
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature:  Date: 4-23-2001

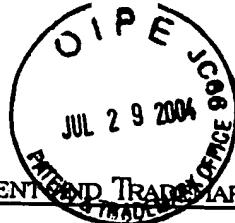
Residence: Sunnyvale, California
Post Office Address: 725 Starbush Drive
Sunnyvale, California 94086
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

(Declaration ends with this page)



UNITED STATES PATENT AND TRADEMARK OFFICE



UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO/TITLE
10/023,125	12/17/2001	Jong Hyun Yoo	AMAT/5730

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CONFIRMATION NO. 4585

ABANDONMENT/TERMINATION
LETTER



OC000000013066962

Date Mailed: 06/25/2004

NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 02/21/2002.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

J. Hyun Yoo
 Customer Service Center
 Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE